

Application Serial No.: 09/856,147
Amendment dated August 13, 2003
Reply to Office Action dated February 13, 2003

ABSTRACT OF THE DISCLOSURE

al A method and article for producing a high transition temperature superconducting tape or wire with a normal metal sheath and at least two surface layers, an inner electrically insulating layer and an outer low friction layer. The method includes mechanical deformation and a plurality of annealing steps, and the application of at least one surface layer after the final annealing step. The coating materials are selected based on their electrical insulation and friction, as well as their compatibility with cryogenic conditions and coating methods.
